Resource Summary Report

Generated by NIF on Apr 8, 2025

Metalloprotein Site Database

RRID:SCR_007780
Type: Tool

Proper Citation

Metalloprotein Site Database (RRID:SCR_007780)

Resource Information

URL: http://metallo.scripps.edu/

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on June 24, 2013. Database and Browser containing quantitative information on all the metal-containing sites available from structures in the PDB distribution. This database contains geometrical and molecular information that allows the classification and search of particular combinations of site characteristics, and answer questions such as: How many mononuclear zinc-containing sites are five coordinate with X-ray resolution better than 1.8 Angstroms?, and then be able to visualize and manipulate the matching sites. The database also includes enough information to answer questions involving type and number of ligands (e.g. "at least 2 His"), and include distance cutoff criteria (e.g. a metal-ligand distance no more than 3.0 Angstroms and no less than 2.2 Angstroms). This database is being developed as part of a project whose ultimate goal is metalloprotein design, allowing the interactive visualization of geometrical and functional information garnered from the MDB. The database is created by automatic recognition and extraction of metal-binding sites from metal-containing proteins. Quantitative information is extracted and organized into a searchable form, by iterating through all the entries in the latest PDB release (at the moment: September 2001). This is a comprehensive quantitative database, which exists in SQL format and contains information on about 5,500 proteins.

Abbreviations: MDB

Synonyms: Metalloprotein Database and Browser

Resource Type: data or information resource, database

Defining Citation: PMID:11752342

Keywords: software, web service

Funding: NIGMS P01-GM48495

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Metalloprotein Site Database

Resource ID: SCR_007780

Alternate IDs: nif-0000-03116

Record Creation Time: 20220129T080243+0000

Record Last Update: 20250404T060627+0000

Ratings and Alerts

No rating or validation information has been found for Metalloprotein Site Database.

No alerts have been found for Metalloprotein Site Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Andreini C, et al. (2013) MetalPDB: a database of metal sites in biological macromolecular structures. Nucleic acids research, 41(Database issue), D312.